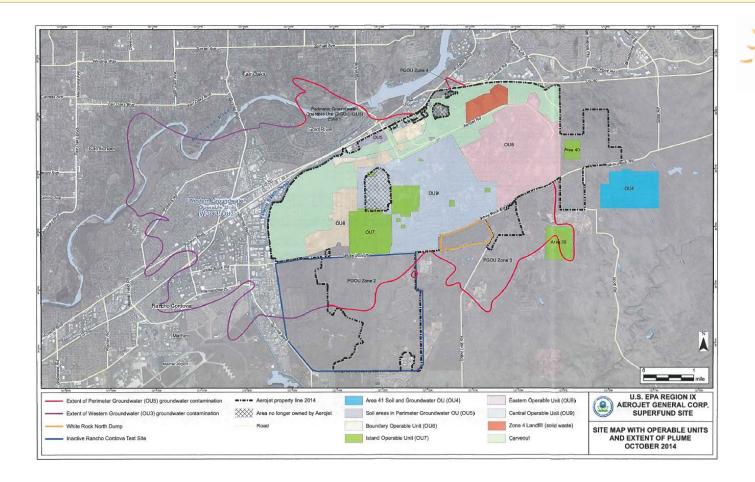


C41 Land Use Covenant (LUC)

Aerojet Superfund Site Perimeter Groundwater Operable Unit

November 18,2015



Aerojet Site Map with OUs

Location of C41





LUCs for PGOU

- LUCs for No Action Areas C10, C14, C15, C29, C32, and Sites D(e), 4D, 5D, 36D, 37D, 39D and GET D.
- LUCs for vapor mitigation sites 7D, FCS, and 33D.
- LUCs for Remedial Action Completion sites 10D, 11D, C4, C41 (this one!).

Subject to current risk/hazard standards.

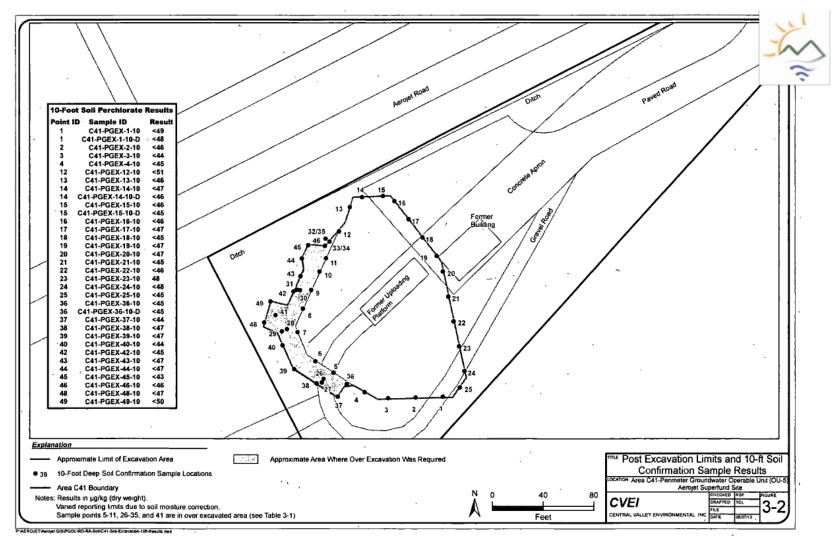
PGOU Sites subject to LUCs based on Selected Remedy

Remediation Activities

- 1

- C41 is 1.7 acres.
- Perchlorate in soil.
- 523 truckloads used to transport 12,477 tons of soil > 0.060 mg/kg to the landfill.
- Backfill with borrow material from Area 37 in Zone 3.
- Borrow material suitable based on geotechnical and environmental assessment completed in May 2012.
- Final Remedial Action Report Area C41 dated June 17, 2013.

C41 Remediation Activities



C41 Post Excavation Results

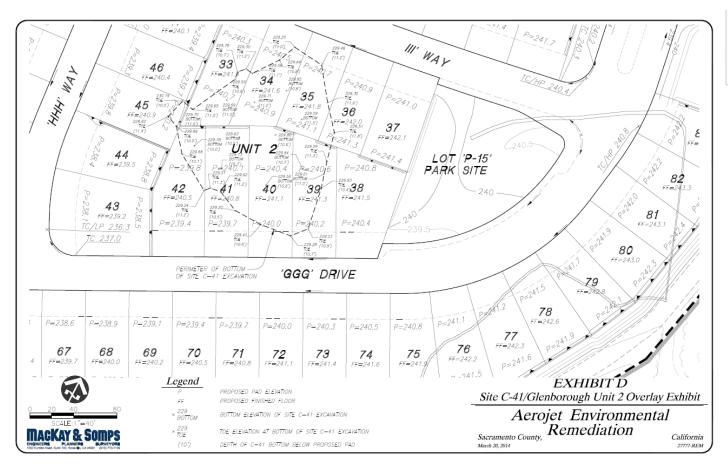


Exhibit D of LUC



Statute and Regulatory Authority

- Required when contaminants will remain on Property above unrestricted use levels.
- Prohibit land uses and prohibit activities that could result in human exposure or contaminant releases.
- For NPL, between Property Owner, DTSC and RWQCB w/USEPA third party beneficiary.

LUC Authority

Key Components

- Covenantor and Agencies identified.
- Statement of facts.
- Definitions of terms.
- General Provisions
 - runs with land;
 - binding upon Owners and Occupants;
 - incorporation into deeds and leases;
 - conveyance of property;
 - payment of costs for administering LUC

C41 LUC Key Components

Key Components (continued)

- Restrictions and Requirements
 - Prohibited activities related to groundwater (no extraction, no recharge, no injection);
 - Soil Management Plan approval needed for soil disturbance at or below 10 feet of ground surface;
 - Agencies access and access for party performing O&M;
 - Prioritization for groundwater remediation components;
 - Owner Annual Inspections and reports to verify Compliance;
 - Property Owner Association exception.
- Enforcement
- Variance, Removal, and Term.
- Miscellaneous Provisions.
- Exhibits





Property Owner Association (or HOA) exception

- If POA established and incorporated satisfactorily;
- Undertake all obligations of the property owner;
- Enters into agreement with Contracting State Agency;
- Quarterly electronic reporting of current property ownership information;
- Establishes financial assurance for complying;
- Financial assurance for retention of consultants to perform LUC activities;
- LUC inspection and reporting activities in place of property owners;
- Notices to cure noncompliance;
- Cost reimbursement.

Property Owner Association Variation



Land Use Covenant Agreements, October 2000 – Overview



http://www.dtsc.ca.gov/LawsRegsPolicies/Regs/upload/luc-fact-sheet-10-00.pdf

 Recorded Land Use Covenants, April 2003 – Discusses requirement for DTSC to maintain listing of land use covenants

http://www.dtsc.ca.gov/SiteCleanup/upload/SMB R FS AB2436.pdf

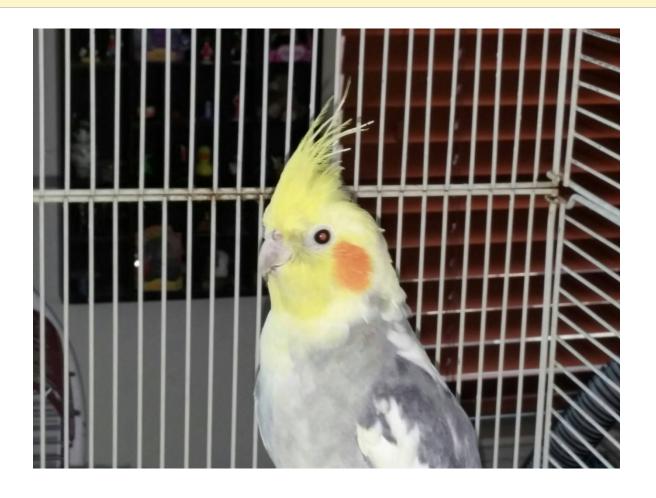
LUC Fact Sheets





- C29 and 10D received by Agencies;
- Identify variations that may be necessary for other type of LUCs (e.g. vapor mitigation);
- Upon completion and recording of all LUCs, PGOU soil ICs considered complete;
- Potential partial deletion of PGOU sites from the NPL.

What's Next?



Questions?